LAND RECLAMATION COMMISSION

STATE OF MISSOURI

P.O. BOX 176 JEFFERSON CITY, MISSOURI 65102 573-751-4041

Permit To Engage in Surface Mining

LAND RECLAMATION COMMISSION

ISSUES TO

E.T. STOKES

Pursuant to "The Land Reclamation Act," RSMo, 2001, and on conformity with the statements In the application, a permit is hereby granted to engage in surface mining of

limestone, sand, and gravel in the state of Missouri. The extent of the

Proposed mining operation(s) will be on eight acres, more or less.

The locations of the operation(s) under this permit is/are as follows: Renewal

County	Section	Township	Range	Acres Renewed	Acres New	Total Acres	Site/Stream Name	Site Number
Howell	05	23N	08W	5	0	5	Pit #3	0538
Howell	08	23N	08W	3	0	3	Pit #4	0539
			and the state of the same and and same		en brande raamt od an bord georgic georgic			

This permit may be suspended or revoked upon violation of any or all of the conditions set forth in "The Land Reclamation Act." RSMo. 2001, or in such rules and regulations as are promulgated pursuant thereto by the Land Reclamation Commission.

IN WITNESS WHEREOF I have hereunto set my hand this 4th day of March 2004

DIRECTOR OF STAFF

Land Reclamation Commission

 Permit No.
 0493

 Effective Date
 03/04/2004

 Expiration Date
 02/16/2005

MO 780-1122 (6-95)

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MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION

TO MINERAL MINERAL MINERAL MINERAL MINES

JAN 2 2 2004

PERMIT RENEWAL FOR		AL MINES MISSO	OURI LAND ON COMMISS	ACISONAL DE LAND
NAME OF CORPORATION, COMPANY, PARTNERSHIP OR IND				1-3-2004
P.O. BOX &	KES 36 L	PEST PLAN	vs /	1ATE 21P COOE (5775
CONTACT PERSON $\mathcal{E}, \mathcal{T}, \mathcal{S} \mathcal{T}$	TOKES		TE	ELEPHONE NUMBER 417 256 4898
FEES: COMPLETE SECTION I OR SECTI	ON II			11.7 633 1018
SECTION I. Fees: Open pit operators and	those mining more than 5	5,000 tons of sand a	nd/or gravel:	:
1. To compute the site fee complete the	information below:			
SITE NAME OR NUMBER (add a separate sheet for additional sites)	Mark each month that the the permit year	he site will be operat	ted during p	or sites operated less than six months per ermit year pay \$150 or sites operated six months or more per ermit year pay \$300
1. 35 (18344	Jan, Feb. Mar, Apr, May, J	Jun, Jul, Aug, Sep, Oc		
2.	Jan, Feb, Mai, Apr, May,	Jun, Jul, Aug. Sep, Oc	t, Nov, Dec \$	
3.	Jan, Feb, Mar, Apr, May,	Jun, Jul, Aug, Sep, Od	t, Nov, Dec \$	
4.	Jan, Feb, Mar, Apr, May,	Jun, Jul, Aug, Sep, Oc	t, Nov, Dec \$	
5.	Jan, Feb, Mar, Apr, May,	Jun, Jul, Aug, Sep, Od	t, Nov, Dec \$	
6.	Jan, Feb, Mar, Apr, May,	Jun, Jul, Aug, Sep, Oc	t, Nov, Dec \$	8
7.	Jan, Feb, Mar, Apr, May,	Jun, Jul, Aug, Sep. Od	t, Nov, Dec 3	
8.	Jan, Feb, Mar, Apr, May,	Jun, Jul, Aug, Sep, Od	t, Nov. Dec	3
9.	Jan, Feb, Mar, Apr, May,	Jun, Jul, Aug, Sep, Od	t, Nov. Dec	B
10.	Jan, Feb, Mar, Apr, May,	Jun, Jul, Aug, Sep, Od	t, Nov, Dec	B
TOTAL SITE FEE			→	30000
2. Acreage Fee \$5 X numbe	r of acres bonded			\$ 40 00
3. Annual Permit Fee				
4. Total Fee (Add totals from 1, 2 and 3)				\$ \$ 84000
NOTE: If Total Fee exceeds \$2.500.00				\$ 2.500
SECTION II. FEES: Sand or gravel opera)0 topo mor voor:		
1. Annual Permit Fee	stors mining less that 5,00	tons per year.		2.000
SIGNATURE OF APPLICANT		TITLE		\$ 300 DATE
Contestates	_	OWNER		1.3-2004
Appeared before me this $\frac{13}{13}$ day	of Falineary	20.04		V-W-
to me personally known, who executed the		d deeds.		
NOTARY PUBLIC EMBOSSER SEAL STATE OF	<i>D</i> 1:		COUNTY (OR CIT	Y OF ST. LOUIS)
SUBSCRIBED	AND SWORN REFORE ME THIS		Howe	ee
NOTARY PUBL		very YEAR 2004	USE RUBBE	R STAMP IN CLEAR AREA BELOW.
POLICE POSE	C SIGNATURE	MY COMMISSION EXPIRES	#V/-61	BINTY LINE LL.
Sett	y Lewallen	.]	5	
Be++	Chame (Typed or Printed) V Lewallen			A CANADA
FOR DEPARTMENT USE ONLY: APPROVED BY	DATE APPROVED	PERMIT NUMBE	= '	EXPIRATION DATE
MO 260-1780 (12-02)	1740	1 049	5	27605

MISSOURI DEPARTMENT OF NATURAL RESOURCES LAND RECLAMATION COMMISSION SITE INFORMATION FORM



To be completed for each separte area SITE NAME OR NUMBER	of disturbance asso	ciated with r	mining operations.RE	MISSOURI LAND
SITE NAME OR NUMBER	***************************************		PERMIT NUMBER	COMMISSION
Pit No. 3				493
COMPANY NAME				
MOARIC 9 VARRIES	111C			
COUNTY	1/4 SECTION	A	SECTION	
Howelt	N1/2		5	
TOWNSHIP	RANGE		ACRES	
23N	8W		146	
RIVER OR STREAM NAME (FOR IN-STREAM AC	CRES)			
· •				
MINERAL COMMODITY			ESTIMATED TONS/YEA	AR (FOR GRAVEL SITES)
Limestone				
NAME OF LANDOWNER (ATTACH LIST IF MOR	C TIJAN ONE)		e no and or management	1
	E ITIAN ONE)			
Eddie Lawrence ADDRESS				
Route 17 CITY	STATE	Vallagy, sky, ski sindeverse vedny CMC	#####	IP CODE
West Plains SOURCE OF RIGHT TO MINE (CHECK ONE):	Missouri			65775 DATE OF AGREEMENT
				
MINERAL DEED	Ľ	LEASE		February-95
WARRANTY DEED		VERBAL AG	REEMENT	
	_			
OTHER(DESCRIBE):				
MINERAL RIGHTS OWNER (ATTACH LIST IF MO	ORE THAN ONE)	ration in		
Eddie Lawrence				
ADDRESS				The state and th
Route 17				
CITY	STATE		v on approximate	ZIP CODE
West Plains	Missouri			65775
SOURCE OF RIGHT TO MINE (CHECK ONE):				DATE OF AGREEMENT
MINERAL DEED	<u>.</u>	LEASE		February-95
WARRANTY DEED		VERBAL AG	REEMENT	
OTHER(DESCRIBE):				
NOTE: Each site must be shown on a	man and he include	d in a public	notice and an appro	wed mine plan

MO 780-1036 (12-91)

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Page 1 of 5

MISSOURI LAND
RECLAMATION COMMISSION

Missouri Department Of Natural Resources

Land Reclamation Program Mine Plan

MO 780-1327 (12-91)

5,16 #3

Jefferson City, MO 65102

Short Term, For One Permit Year		150 -11	. C+ SLtor 1
Long Term, For Period Through Date:	2020 2070	AJR SI phone	wet. stokes
Description of Site Prior to Land Reclamation Commission Per and Topography.			
This long term plan covers an area that is	steeply slopin	a with very thin, r	ocky soil. The long
term plan covers approximately 146 acres		•	, ,
8620 and on the south by County Road 8			, , , , , , , , , , , , , , , , , , ,
Tobbo and on the boath by County House of	210.		
			ı
· !			
1			
!			
			,
Operational Plan-10 C.37 = 5-10.020(2)(D)1.			
A. Topsoil			
Average Depth of Topsoil, Prior to Land Reclamation Commiss		Is Topsoil to be Sold o	!
3	inches	Yes or 🗸	No
Describe Methods and Equipment Used for Topsoil Removal			1
After trees are cleared with dozers, the to	p 12 inches of	soil will be remov	ed by scraper and
loaders and dump trucks. Because the to			• •
subsoil will be removed to obtain a total of	•	• •	1
be completed during the summer for the a		•	
will be kept at least 20 feet ahead of pit ex		ou and romowning	,
will be kept at least 20 feet affead of pit 62	Cavalion.		
			1
			!
Describe Methods and Equipment Used for Topsoil Removal	Market support to the state of		and the second s
. ,	ill donosit the	oil in stockniloo	poor the pit area. The
The scrapers, loaders and dump trucks w	•	•	near the pit area. The
. ,	•	•	near the pit area. The
The scrapers, loaders and dump trucks w	•	•	near the pit area. The
The scrapers, loaders and dump trucks w	•	•	near the pit area. The
The scrapers, loaders and dump trucks w	•	•	near the pit area. The
The scrapers, loaders and dump trucks w	•	•	near the pit area. The
The scrapers, loaders and dump trucks w	•	•	near the pit area. The
The scrapers, loaders and dump trucks w	•	•	near the pit area. The



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	MISSOURI L RECLAMATION CO
Spoil escribe Met	nods and Locations of Spoil Placement
All overb	urden removed from the pit will be placed against the highwall of the mined-out portion and graded to traversable slopes (3:1) before topsoil is replaced.
. Acid Ma	terials
escribe Met	nods and Equipment Used for Handling Acid Material (If None is Anticipated, Write "None" Below)
None	
	mation (Give All Dimensions in Feet) ation and Orientation of Pit, If Not Clear on Site Maps
As the pi	cut will be in the east corner of the permit. From there the pit will advance to the west to nears the west edge of the property, a protective berm will be constructed of large (minimum of 3 ft. in diameter) along the west property line.
es No	Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?
	Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than fourty degrees may start near the right-of-way, and in no case may the excavation be closer to the right-of-way than fifty feet or twenty-five feet plus one and one-half (1-1/2) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)
	Will any excavation start at or within fifty feet (50') of any property line? (NOTE: If the answer is "yes", a safety barrier may be needed.)

MO 780-1327 (12-91)

5.40#3

Page 2 of 5

4 47 (44)	40-10. (2)(D)2. Pag	e3 of 5	\sim	
A. Revegetation (Attach add		· · · · · · · · · · · · · · · · · · ·	Seeding Or Plant	ina Timo
Revegetation Mix #1	Purpose Or Land Use Agricultu	Agricultural (pasture) Spring (I		
Describe Methods and Equipment				
During the first spring fo	llowing topsoil replace	ement the seed mix	will be broadc	ast and
harrowed.				
			REC	EIVED
			APR 1	0 2001
			MISSO RECLAMATIO	URI LAND ON COMMISSION
Seeded Species	Pounds/Acre	Tree or Shrub Spe	cies S	tems/Acre
Orchardgrass	30			
Red Clover	10			
			,	
			İ	
Revegetation Mix #2	Purpose Or Land Use		Seeding Or Plant	ting Time
	—		0	h 15 to May 15)
	Pasture		Spring (Marc	i is to May is)
	to be Used for Seeding or Plan	nting		
During the first spring fo	t to be Used for Seeding or Plan ollowing topsoil replace	nting ement the seed mix	will be brosdc	ast and
During the first spring fo harrowed. Reseeding w	t to be Used for Seeding or Plan ollowing topsoil replace vill be done as needed	nting ement the seed mix	will be brosdc	ast and
During the first spring fo harrowed. Reseeding w	t to be Used for Seeding or Plan ollowing topsoil replace vill be done as needed	nting ement the seed mix	will be brosdc	ast and
During the first spring fo harrowed. Reseeding w	t to be Used for Seeding or Plan ollowing topsoil replace vill be done as needed	nting ement the seed mix	will be brosdc	ast and
During the first spring fo harrowed. Reseeding w	t to be Used for Seeding or Plan ollowing topsoil replace vill be done as needed	nting ement the seed mix	will be brosdc	ast and
During the first spring fo harrowed. Reseeding w	t to be Used for Seeding or Plan ollowing topsoil replace vill be done as needed	nting ement the seed mix	will be brosdc	ast and
During the first spring fo harrowed. Reseeding w	t to be Used for Seeding or Plan ollowing topsoil replace vill be done as needed	nting ement the seed mix	will be brosdc	ast and
During the first spring fo harrowed. Reseeding w	t to be Used for Seeding or Plan ollowing topsoil replace vill be done as needed	nting ement the seed mix	will be brosdc	ast and
During the first spring fo harrowed. Reseeding w	t to be Used for Seeding or Plan ollowing topsoil replace vill be done as needed	nting ement the seed mix	will be brosdc	ast and
During the first spring fo harrowed. Reseeding w	t to be Used for Seeding or Plan ollowing topsoil replace vill be done as needed	nting ement the seed mix	will be brosdc	ast and
During the first spring fo harrowed. Reseeding w erosion and to support p	t to be Used for Seeding or Plan ollowing topsoil replace vill be done as needed	nting ement the seed mix	will be brosdc over sufficient	ast and
During the first spring fo harrowed. Reseeding w erosion and to support p	to be Used for Seeding or Plan ollowing topsoil replace vill be done as needed oasture.	nting ement the seed mix I to achieve grass c	will be brosdc over sufficient	ast and to control
During the first spring fo harrowed. Reseeding we erosion and to support part of the support part part of the support part of the support part of the support part part of the support part of the support part of the support part part of the support of the s	to be Used for Seeding or Plan ollowing topsoil replace vill be done as needed oasture.	nting ement the seed mix I to achieve grass c	will be brosdc over sufficient	ast and to control
During the first spring fo harrowed. Reseeding we erosion and to support part of the support of	Pounds/Acre	nting ement the seed mix I to achieve grass c	will be brosdc over sufficient	ast and to control
During the first spring fo harrowed. Reseeding we erosion and to support part of the s	Pounds/Acre	nting ement the seed mix I to achieve grass c	will be brosdc over sufficient	ast and to control
During the first spring fo harrowed. Reseeding we erosion and to support part of the s	Pounds/Acre Pounds/Acre 15 15 15 15	nting ement the seed mix I to achieve grass c	will be brosdc over sufficient	ast and to control
Describe Methods and Equipment During the first spring fo harrowed. Reseeding we erosion and to support p Seeded Species Orchardgrass Fescue Alfalfa	Pounds/Acre Pounds/Acre 15 15 15 15	nting ement the seed mix I to achieve grass c	will be brosdc over sufficient	ast and to control
During the first spring fo harrowed. Reseeding we erosion and to support part of the s	Pounds/Acre Pounds/Acre 15 15 15 15	nting ement the seed mix I to achieve grass c	will be brosdc over sufficient	ast and to control
During the first spring fo harrowed. Reseeding we erosion and to support part of the s	Pounds/Acre Pounds/Acre 15 15 15 15	nting ement the seed mix I to achieve grass c	will be brosdc over sufficient	ast and to control

Attach Additional Sheets For Additional Seed Mixes

MAR 1 9 2001

Site 03

" "SOURILAND

Describe Proposed Reclaimed Topography, Including Stopes	
All spoil areas will be graded to slopes of 3:1.	
As the active pit approaches a property line, appropriate permaner will be constructed. These barriers will range from a 4-wire barbwi with a non-traversable outer slope. If the berm is constructed the plan will be followed with necessary modifications due to topograp covered with topsoil or the best available material. The outer slope covered with material that will not erode.	ire fence to a large berm drawing included with this hy. All berms will be
The decision as to the type of barriers constructed will be based or exist at the time the highwall approaches closer than 300 feet to the from legal and liability insurance professionals retained by the com-	ne property line and advice
All perimeter barriers will be permanent.	
C. Describe The General Sequence and Timing of the Following Activities	
Grading	
Grading will be done as the pit advances and as spoil is placed in	the mined out portions.
Final grading will be completed within one year of permit expiration	•
Replacement of Topsoil	
Topsoil will be replaced to a uniform depth of 12 inches, and diske	ed to reduce compaction.
Topsoil will be replaced within one year of permit expiration on all	mined-out portions.
Revegetation	
All topsoil areas will be seeded during the first optimum seeding p	erion following topsoil
replacement.	
Average Depth of Replaced Topsoil (Inches)	
Three inches topsoil plus nine inches of subsoil for a total of twelve in D. Use of Land When Reclaimed	T="
Estimated acreage of each land use below, after reclamation	Estima : ::es:
Commission acreage or each land use policy, and recialitation	
Wildlife (forest or other habitat with livestock excluded)	
Agriculture (pasture, cropland, and horticultural)	
Development (residential, industrial, and recreational)	
	146

lb Sming

By my signature, I attest to the following:

- 1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
- 2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Section 444.760 through 444.789, RSMo, and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
- 3. I have obtained ate approval of all landowner's for all proposed post-reclamation land uses.
- 4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and futher where I have no such right, I have attached signed affidavits from the landowneds, granting such access.

WILL MAINTAIN 3FT HOVEN WIRE

ON BOTTOM PLUS & STRAND 4 POINT

BARBTUIRE ONTOP TOTAL ALEIGAT

OF 4FT MINIMUM

OR

COMPAY WITH INCLOSED DRAWING #10 CSR-40-10 OSO(5)(B)5 + MSHA REGUIRED 30 CFR 56 3/31

Signature of Applicant	tac Peend	7		1-10-01
Notary Public Embosser Seal	Subscribed and Sworn Before me, This		County (Or Ci	ty of St. Louis)
	10 Day Of Janua	rus 2001	Use Rubber	Stamp Below
	Notary Public Signature Betty Loweller	My/Commission Expires	<u> </u>	-0
	Notary Public Name (Typed or Printed) Retty Lewaller)	To Constitution of the		
Approved By (Director's Rep		Date Approved		Permit Number
MALLA	E GAMA	4-24-01		0493
MO 780-1327 (12-91)	51/c#3		NECE	VED Page 5 of 5

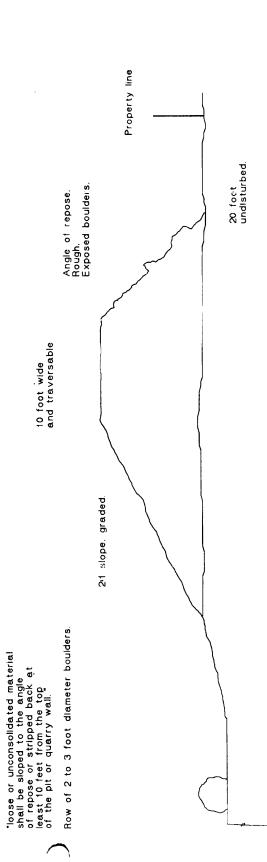
JAN 1 1 2001

M.3SOURI 1617

ype drawing of perimeter berm.

To limit tresspass and promote safety
Total width ofperimeter control. 80 feet.
10 CSR 40-10 050(5)(B)5

MSHA required: 30 CFR 56, 3131



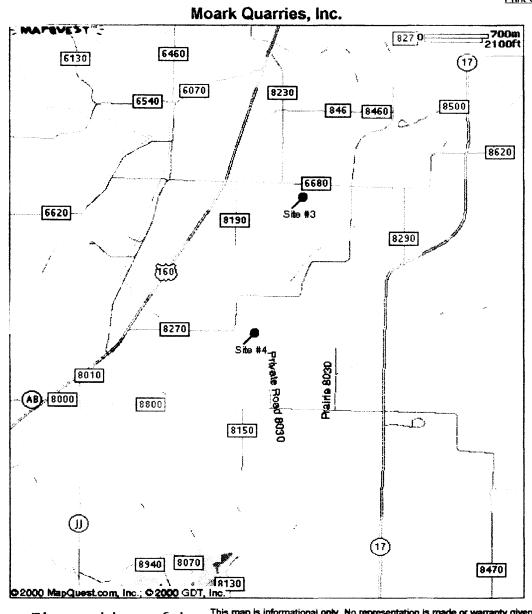
Sloped overburden material, 10 feet wide.

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Print Options

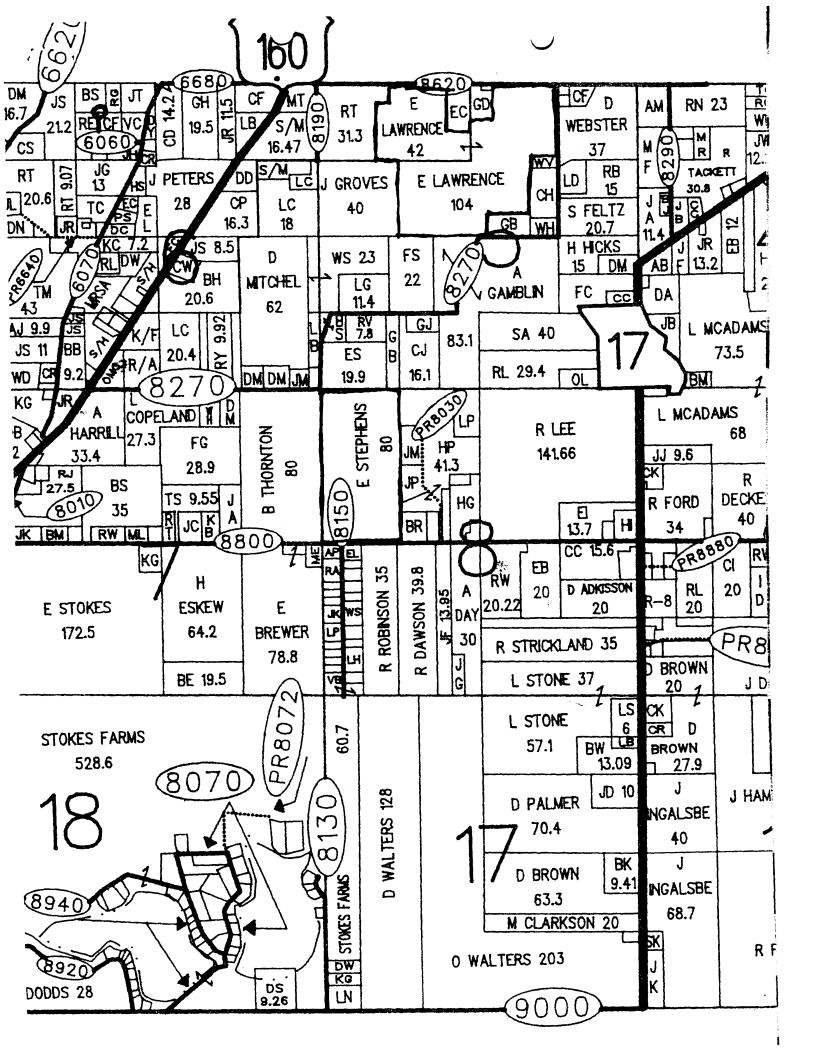






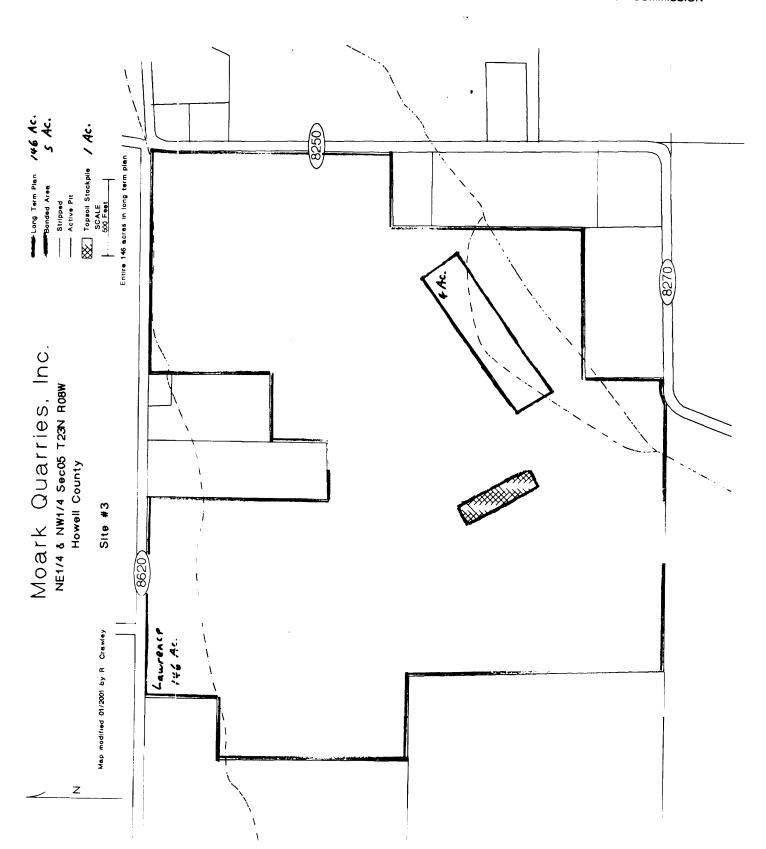
This map is informational only. No representation is made or warranty given as to its content. User assumes all risk of use. MapQuest and its suppliers assume no responsibility for any loss or delay resulting from such use.

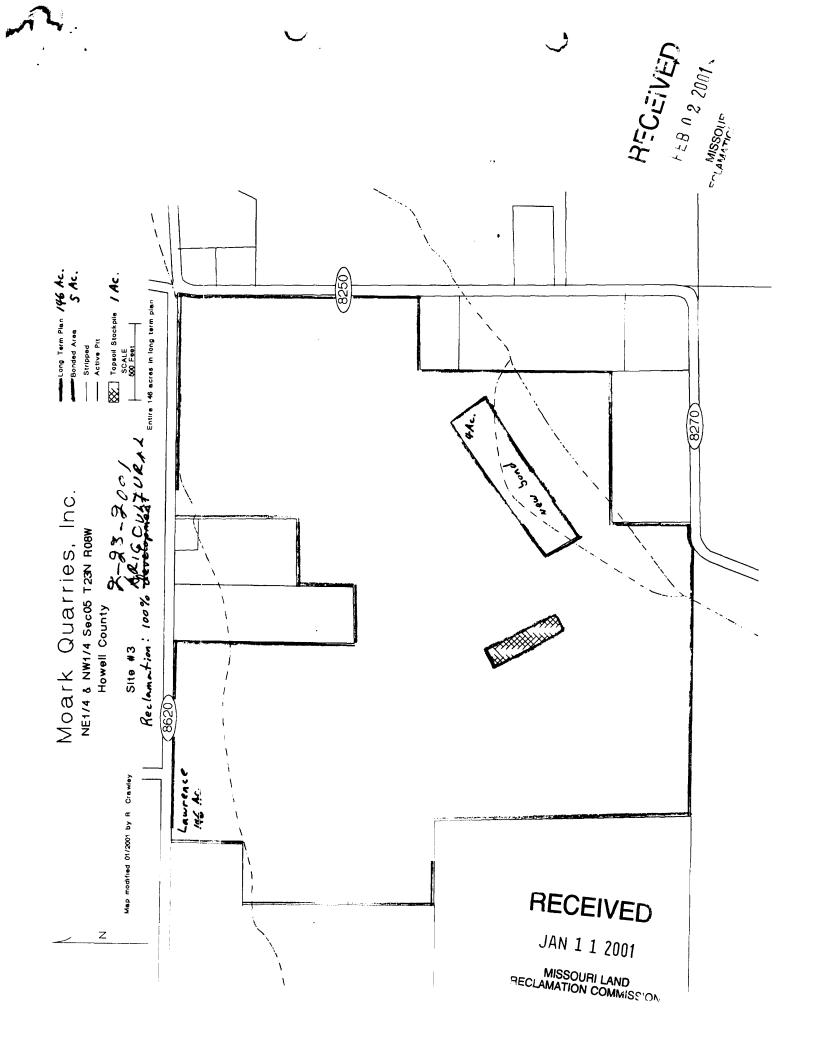
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APR 1 0 2001

MISSOURI LAND RECLAMATION COMMISSION





MISSOURI DEPARTMENT OF NATURAL RESOURCES LAND RECLAMATION COMMISSION SITE INFORMATION FORM



FEB 0 2 2001

To be completed for each separte area	of disturbance asso	ociated with n	nining operations.	MISSOU
SITE NAME OR NUMBER			PERMIT NUMBER	nECEIVED
Pit No. 4				193
COMPANY NAME		····		MAR 1 9 2001
Rock Products of Howell County M	oArk Quarri	es /A/C		"AN 1 9 2001
COUNTY	1/4 SECTION	- / // (SECTION	
l lancati				-
Howell Township	NW RANGE		8 ACRES	
1044101111	MANGE		ACRES	
23N	W8		80	
RIVER OR STREAM NAME (FOR IN-STREAM A	CRES)			
MINERAL COMMODITY			ESTIMATED TONS/YEA	R (FOR GRAVEL SITES)
Gravel				
Graver			<u> </u>	
NAME OF LANDOWNER (ATTACH LIST IF MOR	RE THAN ONE)			
	·			
Dean Stephens ADDRESS				
ADDRESS				
10098 County Road 8270				
CITY	1 - 1 - 4 - 1			ZIP CODE
West Plains	Missouri			65775
SOURCE OF RIGHT TO MINE (CHECK ONE):				DATE OF AGREEMENT
MINERAL DEED	[LEASE		June-96
WARRANTY DEED	Г	VERBAL AGE	REEMENT	
	_			
OTHER(DESCRIBE):				
MINERAL RIGHTS OWNER (ATTACH LIST IF M	IORE THAN ONE)			
Dean Stephens				
ADDRESS				
10098 County Road 8270				
CITY	STATE	Prificial fortus Nation or accuracy		IZIP CODE
N Blaire				05775
West Plains SOURCE OF RIGHT TO MINE (CHECK ONE):	Missouri			65775 DATE OF AGREEMENT
SOUNCE OF RIGHT TO MINE (CHECK ONE).	i			DATE OF AGREEMENT
MINERAL DEED		LEASE		June-96
☐ WARRANTY DEED	[VERBAL AGE	REEMENT	
OTHER(DESCRIBE):				
NOTE: Each site must be shown on a	map and be include	d in a public	notice and an appro	ved mine plan.

MO 780-1036 (12-91)

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MISSOURI LAND RECLAMATION COMMISSION Page 1 of 5



MAR 1 9 2001

Missouri Department Of Natural Resources		P.O. Box 176	MINSOURIES IN
Land Reclamation Program		Jefferson City, MO 65102	
Mine Plan Short Term. For One Permit Year			
Long Term, For Period Through Date: 2-9	7-94	OFTO	
Description of Site Prior to Land Reciamation Con and Topography.	nmission Permitting (By Applicant or	Prior Operator), Including Soil. Vegetation	i
This long term plan covers an are	ea that is steeply sloping	with very thin, rocky soil. Th	ne long
term plan covers approximately 8			–
827 and on the south by County		· · · · · · · · · · · · · · · · · · ·	,
l .			
perational Plan-10 CSR 40-10.020(2	VD\1	The state of the s	
Topsoil	<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>		
Average Depth of Topsoil, Prior to Land Reclamat	ion Commission Permitting	Is Topsoil to be Sold or Discarded Offsite	?
Describe Matter and English and Albert & Trees	3 Inches	Yes or V No	
Describe Methods and Equipment Used for Topso	IBVOMBN IK		
After trees are cleared with dozer	rs, the top 12 inches (or a	all avaiable if less) of soil will	be
removed by scraper and loaders	and dump trucks. Becau	ise the topsoil is only 3 inche	es deep,
an additional 9 inches of subsoil v	will be removed to obtain	a total of 12 inches of soil for)F
replacement. Topscił removalwił	•		
the following year. Topsoil remov	val will be kept at least 20	feet ahead of pit excavation	n.
			-
			1
Describe Methods and Equipment Used for Topso	pil Removal		
The scrapers, loaders and dump	trucks will deposit the so	il in stockpiles near the pit a	rea. The
stockpiles will be shaped and see	<u>-</u>	•	
,			
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			}
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MO 780-1327 (12-91)	وياست.	RECEIVE	Page 1 of 5
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JAN 1 1 2001

MISSOURI LAND RECLAMATION COMMISSION

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Describe Metho	ods and Locations of Spoil Financian to the second
	rden removed from the pit will be placed against the highwall of the mined-out portion and graded to traversable slopes (3:1) before topsoil is replaced.
C. Acid Mat	
	ods and Equipment Used for Handling Acid Material (If None is Anticipated, Write "None" Berow
None	
i	
1	
1	
	nation (Give All Dimensions in Feet) ion and Orientation of Pit, If Not Clear on Site Maps
1	·
ĺ	ut will be in the center of the permit. From there the pit will advance to the edge of
gravel.	
 	_
Yes No	Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?
	Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any
	public road? (NOTE: For unconsolidated materials left in place, a slope of no more than fourty degrees may
	start near the right-of-way, and in no case may the excavation be closer to the right-of-way than fifty feet or twenty-five feet plus one and one-half (1-1/2) times the depth of unconsolidated material, whichever is
	greater, unless a variance is granted by the Commission.)
<u> </u>	Wiff any excevation start at or within fifty feet (50") of any property line?
<u></u>	(NOTE: If the answer is "yes", a safety barrier may be needed.)
10 700 1007 110 0	S, le # 4 RECEIVED Page 2 of 5
MO 780-1327 (12-9	S, te #4

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Red Clover 10 Fescue 15	C				
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	Seeded Species	Pounds/Acre	1 ree or Surup 3	pecies	Stems/Acre
	Orchardorace	15			
Fescue 15	· ·	7			
4	rescue	15			

Seeded Species	Pounds/Acre	Tree or Shrub Species	Stems/Acre
Orchardgrass	15		
Fescue	15		
			ŀ

Attach Additional Sheets For Additional Seed Mixes

5.4e #4

MO 780-1327 (12-91)

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113801	ID:	-	-

	Missouri		
B. Grading	Site 04		
Describe Proposed Reclaimed Topography, Including Slopes			
All spoil areas will be graded to slopes of 3:1.			
As the active pit approaches a property line, appropriate permaner will be constructed. These barriers will range from a 4-wire barbwi with a non-traversable outer slope. If the berm is constructed the oplan will be followed with necessary modifications due to topograph covered with topsoil or the best available material. The outer slope covered with material that will not erode.	re fence to a large berm drawing included with this ny. All berms will be		
The decision as to the type of barriers constructed will be based or exist at the time the highwall approaches closer than 300 feet to the from legal and liability insurance professionals retained by the com-	e property line and advice		
All perimeter barriers will be permanent.			
The political barriers will be politicalisms.			
C. Describe The General Sequence and Timing of the Following Activities			
Grading			
Grading will be done as the pit advances and as spoil is placed in	•		
Final grading will be completed within one year of permit expiration	on all mined-out portions.		
Replacement of Topsoil			
Topsoil will be replaced to a uniform depth of 12 inches, and diske	ed to reduce compaction.		
Topsoil will be replaced within one year of permit expiration on all mined-out portions.			
	·		
Revegetation			
All topsoil areas will be seeded during the first optimum seeding perion following topsoil			
replacement.			
•			
Average Depth of Replaced Topsoil (Inches)			
Three inches topsoil plus nine inches of subsoil for a total of twelve i	nches.		
D. Use of Land When Reclaimed	Estimated Acres:		
Estimated acreage of each land use below, after reclamation			

Wildlife (forest or other habitat with livestock excluded)

Development (residential, industrial, and recreational)

Water Impoundments (for wildlife, agricultural, or development)

Agriculture (pasture, cropland, and horticultural)

80

By my signature, I attest to the following:

"PROUBLE M

- 1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
- 2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Section 444.760 through 444.789, RSMo, and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
- 3. I have obtained ate approval of all landowner's for all proposed post-reclamation land uses.
- 4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and futher where I have no such right, I have attached signed affidavits from the landowneds, granting such access.

WILL MAINTAIN 3FT OF WOVENWIRE ON BOTTOM PLUS 2 STRAND 11 POINT BARD WIRE ON TOP TO TOTAL HEICHT OF 4 FT MINIMUM OR

COMPAY WITH INCHOSED DRAWING

#10CSR-40-10 050(5)(B) 5 + MSHA

REGULATED CFR 56 3/3/

Signature of Applicant	7 Title			Date
8 9 W	take Kejed	nt.		1-90-0
Notary Public Embosser Seal	State		County (Or Cit	y of St. Louis)
	Missouri		1	
	Subscribed and Sworn Before me, This	Δ		
	10th Day Of Janua	ry 2000-4	Use Rubber S	tamp Below
	Notary Public Signature	My Commission Expires		
	Kitty Lowarie	" A TIGHTA		
	Notary Public Name (Typed or Printed)	COLLINE DE		
Approved By (Director's	Representative)	Date Approved		Permit Number
MANUA	So SIMMI	4-24-	01	0493
MO 780-1327 (12-91)	S,te #4	F	ECE	VED Page 5 of 5
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Page 5

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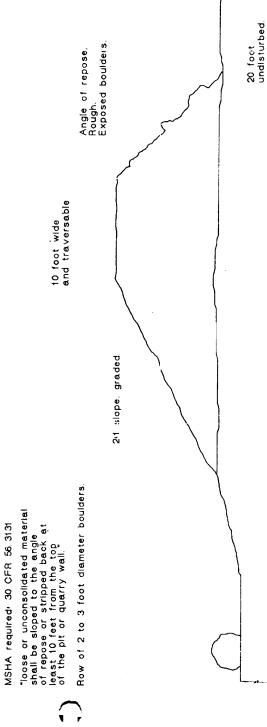
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STATE BUILDING

Type drawing of perimeter berm.

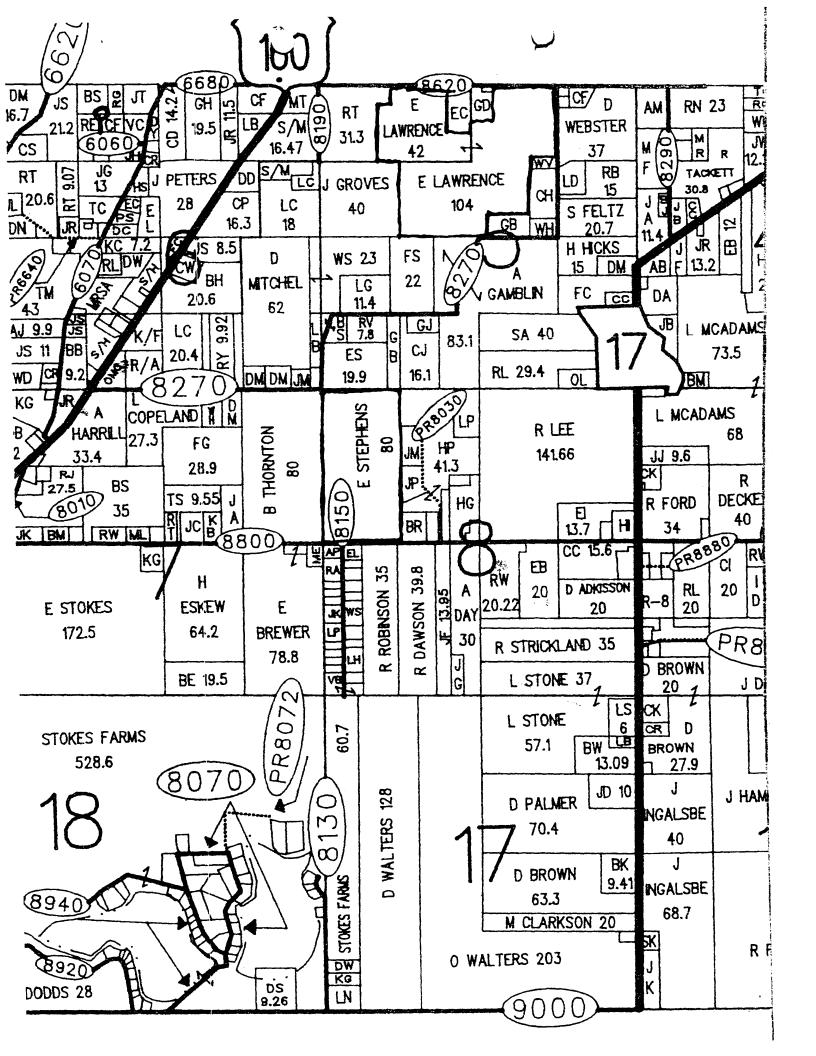
To limit tresspass and promote safety.

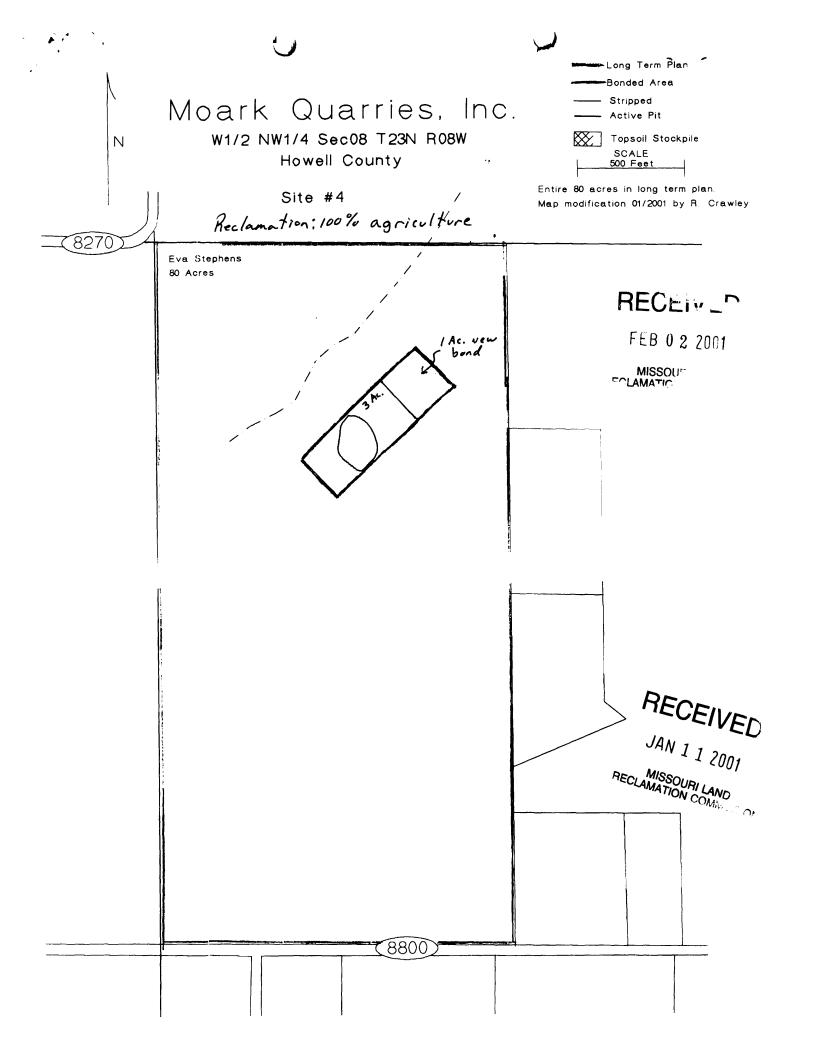
Total width ofperimeter control, 80 feet, 10 CSR 40-10, 050(5)(B)5



Property line

Sloped overburden material, 10 feet wide.





-Long Term Plan Bonded Area Moark Quarries, Inc. Stripped Active Pit W1/2 NW1/4 Sec08 T23N R08W Topsoil Stockpile Ν SCALE Howell County 500 Feet Entire 80 acres in long term plan. Site #4 Map modification 01/2001 by R. Crawley Reclamation: 100% agriculture 8270 Eva Stephens 80 Acres RECEIV. FEB 0 2 2001 IAc. New bond MISSOUR CLAMATIC **RECEIVED** JAN 1 1 2001 MISSOURI LAND
RECLAMATION COMMISSION 8800